

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Divisional Patent Application of
U.S. Appl. No.: 09/466,969:

Yoshiharu NAKAJIMA et al.

Examiner: Xiao Min Wu

Application No.: Not Yet Assigned

Art Unit: 2674

Filed: December 15, 2003

For: DIGITAL/ANALOG CONVERTER CIRCUIT, LEVEL SHIFT CIRCUIT, SHIFT
REGISTER UTILIZING LEVEL SHIFT CIRCUIT SAMPLING LATCH
CIRCUIT, LATCH CIRCUIT, AND LIQUID CRYSTAL DISPLAY DEVICE
INCORPORATING THE SAME

INFORMATION DISCLOSURE STATEMENT (IDS)

MS PATENT APPLICATION

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Submitted herewith on Form PTO/SB/08A is a listing of documents known to Applicant cited by or submitted to the U.S. Patent and Trademark Office (USPTO) in parent application No. 09/466,969; filed on December 20, 1999 in order to comply with Applicant's duty of disclosure pursuant to 37 CFR §1.56. The relevance of these documents are explained in the parent application. As provided in 37 CFR 1.98(d), copies of the document are not provided since they were previously cited by or submitted to the Patent Office in the parent application.

Since this Information Disclosure Statement is being filed in compliance with 37 CFR § 1.97(b) before an initial action, no fee is required in connection with its filing.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicant does not waive any rights to take any action, which would be appropriate to antedate or otherwise remove as a

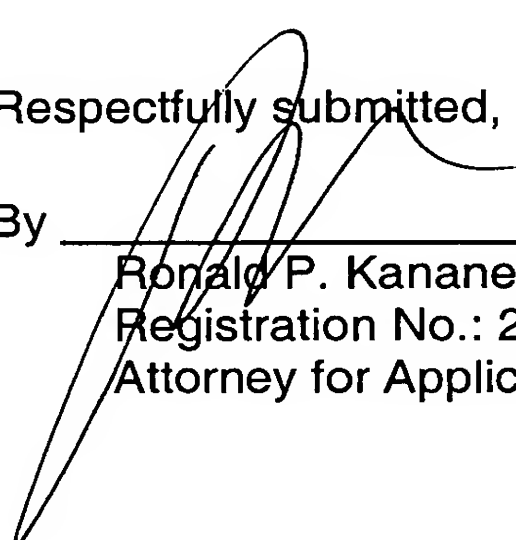
competent reference any document, which is determined to be a prima facie prior art reference against the claims of the present application.

Applicant respectfully requests that the listed documents be considered by the Examiner and formally be made of record in the present application and that an initialed copy of Form PTO/SB/08A be returned in accordance with MPEP §609.

Dated: December 15, 2003

Respectfully submitted,

By



Ronald P. Kananen
Registration No.: 24,104
Attorney for Applicant

RADER, FISHMAN & GRAUER PLLC
1233 20th Street, N.W. Suite 501
Washington, D.C. 20036
Tel: (202) 955-3750
Fax: (202) 955-3751
Customer No. 23353

DC142135

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	Not Yet Assigned (Divisional of U.S. Appl. No.: 09/466,969)
				Filing Date	December 15, 2003
				First Named Inventor	Yoshiharu NAKAJIMA
				Art Unit	2674
				Examiner Name	Xiao Min Wu
Sheet	1	of	1	Attorney Docket Number	SON-1697/DIV

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	AA**	US-4,733,105	03/1998	Shin et al.	
	AB**	US-5,047,669	09/1991	Iwamura et al.	
	AC**	US-5,559,526	09/1996	Mitsuharu Izawa	
	AD**	US-5,798,746	08/1998	Jun Koyama	
	AE**	US-5,850,204	12/1998	Toshikazu Maekawa	
	AF**	US-6,275,210	08/2001	Toshikazu Maekawa	
	AG**	US-6,448,953	09/2002	Masao Murade	
	AH**	US-5,818,406	10-06-1998	Tsuchi	
	AI**	US-5,828,357	10-27-1998	Tamai	
	AJ**	US-5,880,064	10-21-1997	Masaki et al.	
	AK**	US-5,457,420	10-10-1995	Asada	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	BA**	EP-515 191	11-25-1992			
	BB**	WO-98/28731	07-02-1998			√
	BC**	DE-43 31 542-A1	03-24-1994			
	BD**	EP-0 438 927-A2	07-31-1991			√
	BE**	EP-06090161	03-29-1994			√
	BF**	EP-63093219	04-23-1988			√

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. **CITE NO.: Those patent(s) or publication(s) which are marked with an double asterisk (**) next to the Cite No. are not supplied because they were previously cited by or submitted to the Office in a prior application relied upon in this application for an earlier filing date under 35 U.S.C. 120. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	CA**	European Search Report	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. **CITE NO.: Those patent(s) or publication(s) which are marked with an double asterisk (**) next to the Cite No. are not supplied because they were previously cited by or submitted to the Office in a prior application relied upon in this application for an earlier filing date under 35 U.S.C. 120.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	
--------------------	--	-----------------	--